

**Kozlov et al**  
**Serial No. To be Assigned**

--Fig. 16 shows hemoglobin sequences: Fig. 16A shows the cDNA (SEQ ID NO:1) and amino acid (SEQ ID NO:2) sequences of human alpha hemoglobin and Fig. 16B shows the cDNA (SEQ ID NO:3) and amino acid (SEQ ID NO:4) sequences of human beta hemoglobin. Numbering is according to the amino acid. Fig. 16C shows an amino acid sequence comparison of the alpha and beta chains of human (SEQ ID NO:2 and SEQ ID NO:4), murine (SEQ ID NO:5 and SEQ ID NO:6) and porcine (SEQ ID NO:7 and SEQ ID NO:8) hemoglobins.--

Page 41, delete the penultimate paragraph, and insert the following therefor:

--The pellet is dissolved in HPLC eluent buffer A containing 5% acetonitrile (MeCN) and 0.1% trifluoroacetic acid (TFA) to final protein concentration 8-10 mg/ml. This solution (0.5-0.6 ml) is loaded onto 250 x 4.6 mm HPLC column packed with Porasil ODS-300 (10 mcm) and equilibrated with the same buffer A.--

Page 44, delete the third paragraph, and insert the following therefor:

--VHLSAEEKEAVLGLWGKVNDEV ...(SEQ ID NO:9).--

Page 44, delete the seventh paragraph, and insert the following therefor:

--VLSAADKANVKAAWGKVGQG.....(SEQ ID NO:10).--

Page 44, delete the eighth paragraph, and insert the following therefor:

--The 30 kD band was subjected to limited proteolytic digest and the following internal sequence was obtained: \* \* FPHFNL~~SHGSDQVK~~....(SEQ ID NO:11).--

Insert the attached Sequence Listing after the claims pages.